

PATENT ABSTRACTS OF JAPAN

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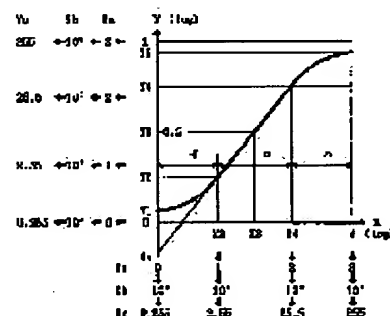
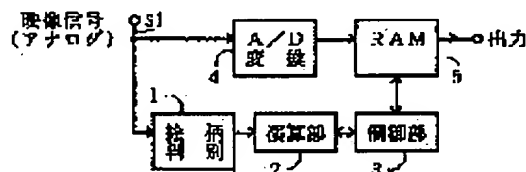
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(54) GAMMA CORRECTION CIRCUIT

(57)Abstract:

PURPOSE: To improve the picture quality by setting a gamma correction characteristic of a video signal to a characteristic in response to a pattern so as to apply gamma correction proper to the content of a video signal.

CONSTITUTION: An arithmetic operation section 2 receiving plural parameters from a pattern discrimination section 1 uses the parameters to make arithmetic operation. A gamma correction curve required for a video image is decided through the arithmetic operation. The gamma correction curve decided in this way differs from the plural parameters, that is the pattern of the video signal and portions A, C in figure form a cubic curve and a portion B forms a straight line. Then the required gamma correction characteristic obtained by the arithmetic operation section 2 is written in a RAM 5 via a control section 3. The RAM 5 to which the gamma correction characteristic is written acts like an input output converter and the video signal inputted via the A/D converter 4 is converted and outputted according to the gamma characteristic. Then the written gamma characteristic is revised based on the result of the arithmetic operation by the arithmetic operation section 2.



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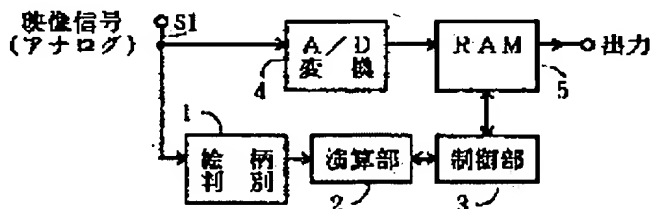
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(54) ガンマ補正回路

(57)【要約】

【目的】主に、PDP(プラズマディスプレイパネル)等に適したガンマ補正であって、ガンマ補正特性を映像信号の絵柄に応じて任意に可変できるようにする。

【構成】映像信号の絵柄を判別し、該判別に対応する複数のパラメータを出力する絵柄判別手段1と、前記複数のパラメータから所要のガンマ補正特性を計算する演算部2と、該ガンマ補正特性をRAM5(メモリ部)に書き込む制御部3と、前記RAM5(メモリ部)とを備え、映像信号の絵柄に応じてガンマ補正特性を設定し、該ガンマ補正特性により補正を行う。



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